

RAMIC, Henrik, prof., inz., dr.

Verification of feed resources in food industries. Prum
potravin 14 no. 5:226-227 My '63.

1. Statni vybor pro koordinaci rozvoje vedy a techniky, Praha.

RAMIC, H., prof. inz.

Importance of insulation in building. Stavivo 41 no.9:310
S'63.

1. Namestek predsedy Státní komise pro rozvoj a koordinaci
vedy a techniky, Praha.

Ramic, H.

Construction of the "Track of Friendship with the Soviet Union"
is almost finished. p. 121. INZENYRSKE STAVEY. (Ministerstvo
stavebnictvi) Praha. Vol. 2, no. 4, Apr. 1954.

Source: FEAL LC Vol. 5, No. 10 Oct. 1956

DEZELIC, M.; GRUJIC-VASIC, J.; REVIC, T.

Composition of nicotinic compounds with elliptic acids determined
by the stalagmometric method. Glasnik hemicarg 12(5)-58 '63

1. Laboratory of Organic Chemistry and Biochemistry, Chemical Institute,
Institute, University of Sarajevo, Sarajevo (for Dezelic and Grujic).
2. Chemical Institute of the Faculty of Medicine in Novi Sad,
(for Vasic).

PAMIK, Zdenek, inz.; KONECNY, Zdenek

Cleaning of deposits on steam turbine blades by ash blasting.
Energetika Cz 11 no.2:83-84 F '61.

RAMIKH, E.A.

Fixator-clip for the surgical treatment of compression fractures
of the vertebral bodies. Vest.khir. 89 no.8:83-85 Ag '62.
(MIRA 15:10)

1. Iz otdeleniya travmatologii i ortopedii (rukovod. - st. nauchnyy
sotrudnik Ya.L.TSiv'yan) Novosibirskogo nauchno-issledovatel'skogo
instituta travmatologii i ortopedii (dir. - dotsent D.P.Metelkin).
(SPINE--FRACTURE)
(INTERNAL FIXATION IN FRACTURES)

TSIV'YAN, Ya. L.; RAMIKH, Ye. A.

Surgical fixation of the spine in uncomplicated compressive fractures of the corpus vertebrae. Preliminary report. Ortop., travm. i protez. no.12:48 '61. (MIRA 15:2)

(INTERNAL FIXATION IN FRACTURES)
(VERTEBRAE--FRACTURE)

NEVYAZHSKAYA, Ye.A.; REYFER, M.S.; NIKULIN, N.Ya.; CHUGUNOV, A.N.;
RAMIL'TSEV, G.A.

Discover and utilize hidden potentialities of gas producer plants.
(MLRA 9:3)
Ogneupory 20 no.8:375-379 '55.

1. Uralenergochermat (for Nevyazhskaya, reyfer, kikulin); 2.
V. Saldinskiy metallurgicheskiy zavod (for Chugunov); 3. N. Saldin-
skiy metallurgicheskiy zavod (for Ramil'tsev).
(Gas producers)

Raminir, L.B.
USSR/Electronics - Gas Discharge and Gas Discharge Instruments H-7

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 12379

Author : Raminir, L.B., Rufov, Yu.N.

Inst : Physics Institute, Academy of Sciences, USSR, Moscow.

Title : The Constancy of the Voltage of Gas Stabilizer Tubes.

Orig Pub : Pribory i tekhn. eksperimenta, 1956, No 1, 98-100

Abstract : A brief report on the contents of work on the display
of the most suitable conditions and operating mode of
a gas stabilizing tube as a source of a reference vol-
tage in an electronic stabilizer.

Card 1/1

ARESHKINA, L.Ya.; RAMINYA, L.O. [Ramina, L.]; ARE, R.Yu.; KARKLIN'SH, R.Ya.
[Karklins, R.]

Isolation and purification of L-lysine from culture fluid
by the ion exchange method. Prikl. biokhim. i mikrobiol.
1 no.4:404-405 Jl-Ag '65. (MIRA 18:11)

1. Institut biokhimii imeni A.N.Bakha AN SSSR, Institut
mikrobiologii imeni A.Kirkhenshteyna AN Latviyskoy SSR i
Rizhskiy zavod biokhimicheskikh preparatov.

ARONS, Ya.A., inzhener; RAMIRES, Kh.A., inzhener.

New crane for building 1-2 story houses. Stroi.i dor.mashinostr. 2
no.3:7-9 Mr '57. (MLRA 10:5)
(Cranes, Derricks, etc.)

ARONS, Ya.A., inzhener; RAMIREZ, Kh.A., inzhener.

S-322 lime slaker. Mekh.stroi. 10 no.12:28 D '53.

(MLPA 6:11)
(Lime)

RAMISHVILI, D.I.

Problem of linguistic symbols from the viewpoint of the psychology of speech. Trudy Inst.psikhol. # Gruz. SSR 11:181-230 '57.
(MIRA 12:3)

(Speech)

RAMISHVILI, D.I.

Psychological problem of speech. Trudy Inst.psihol.AN Grus.
SSR 13:97-100 '62. (MIRA 16:2)
(Speech) (Thought and thinking)

RAMISHVILI, D. I.

Psychological nature of words which express scientific concepts.
Trudy Inst. psikhol. AN Gruz. SSR 12:97-122 '60. (MIHA 13:11)
(Thought and thinking)

RAMISHVILI, G. G.: Master Agric Sci (diss) -- "A study of the vegetative activity of selection hybrids of rye". Tbilisi, 1954. 21 pp (Min Agric USSR, Georgian Order of Labor Red Banner Agric Inst), 100 copies (KL, No 10, 1959, 127)

L C11:76-66

ET(d)/EED-2/EP(1)

IJP(c)

BB/GG/GS/JXT(BF)

ACCESSION NR: AT5014334

UR/0000/64/000/000/0171/0176

AUTHOR: Ramishvili, G. S.¹⁴

160,44

50
B+1

TITLE: On the possibility of automatically recognizing certain visual patterns

SOURCE: AN GruzSSR. Institut elektroniki, avtomatiki i telemekhaniki¹⁴. Elementy vychislitel'noy tekhniki i mashinnyy perevod (Elements of computer technology and machine translation). Tiflis, Izd-vo Metsniyereba, 1964, 171-176

TOPIC TAGS: pattern recognition, statistical data processing

ABSTRACT: The author states that the recognition of such visual recognition objects as human faces can play some role in problems of automatic pattern recognition, in spite of the apparent complexity of the recognition of faces as compared, for example, with recognition of standard letters or numbers. Some of the recognition features common to faces and to printed characters are first discussed. The author then reports the results of an experiment in which 60 full-face female and 140 male photographs were superimposed on one another. Each negative was exposed for $(1/k)$ -th part of the normal exposure (k is the number of superimposed pictures, and ranged from 1 or 2 to a maximum). The results showed unexpectedly that composites of male photographs could be clearly distinguished from composites of female photographs when other outward attributes (long hair, moustache, etc.) were eliminated.

Card 1/2

L 01476-66

ACCESSION NR: AT5014334

nated. It is concluded that male and female faces constitute separate compact sets. Some statistical aspects of the results are briefly discussed. This may serve as a starting point for ascertaining the possibility of automatic differentiation between male and female faces. The size of the appropriate sample is briefly treated and it was found that about 20 photographs sufficed to obtain the "average" characteristics. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 14Aug64

MR REF Sov: 001

ENCL: 00

OTHER: 001

SUB CODE: DP

GP
Card 2/2

L 27830-66 EWT(d)/T/EWP(1) IJP(c) GG/BB/JXT

ACC NR: AP6004905

SOURCE CODE: UR/0251/65/040/001/0039/0045

AUTHOR: Ramishvili, G. S.; Kakauridze, A. G.

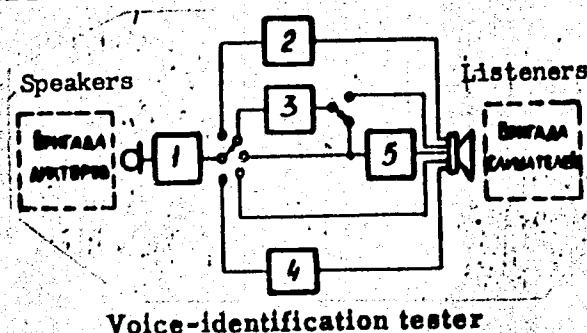
ORG: Institute of Electronics, Automation, and Telemechanics, AN GruzSSR, Tiflis
(Institut elektroniki, avtomatiki i telemekhaniki AN GruzSSR)

TITLE: Voice identification by spectrum- and amplitude-limited speech signal

SOURCE: AN GruzSSR. Soobshcheniya, v. 40, no. 1, 1965, 39-45

TOPIC TAGS: voice identification, speech signal, speech recognition

ABSTRACT: The results of an experimental investigation of the human (male) voice identification by natural, clipped, and constant-level speech are reported. The experiments were similar to conventional articulation tests (6 speakers, 6 or 7 listeners), the task being identification of voices, not words. Russian vowels "a," "e," "i," "o," and a few words were selected as test sounds. The voices were transmitted (see figure) via an electronic system comprising amplifier 1, clipper 2,



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L 27830-66

ACC NR: AP6004905

differential clipper 3, constant-level-speech device 4, band-pass filter 5. The frequency bands used were:

Band no.: 1 2 3 4 5 6
Frequencies: 200-10000 400-10000 700-10000 1400-10000 2400-10000 3800-10000
7 8 9 10 11 12
200-6300 200-3800 200-2500 200-1450 200-700 200-450

These conclusions are reported: (1) Lower frequencies up to 700 cps are not important in voice identification; their exclusion practically does not affect the identification of natural speech and lowers the identification by only 3% in the case of clipped speech; (2) The frequencies beyond 4000 cps contribute only 6% in the identification; (3) The 700-4000 cps band ensures a high enough percentage (about 90) of correct voice identification on the above vowels; (4) Amplitude clipping of the signal derivative ensures greater phonetic information in the clipped speech than the amplitude clipping of the speech signal proper; (5) The average percentage of correct identification with words is higher than that obtained with vowels. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 7,09 / SUBM DATE: 16 May 65 / ORIG REF: 001 / OTH REF: 001

Card 2/2 PB

L 29103-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(b) JD

ACCESSION NR: AP5003270

S/0251/64/036/003/0547/0554

21
20

AUTHOR: Ramishvili, G. Ya.

TITLE: Study of the dependence of the friction forces on the bond between elastic contact surfaces of rubbing solid bodies B

SOURCE: AN GruzSSR. Soobshcheniya, v. 36, no. 3, 1964, 547-554

TOPIC TAGS: friction, elasticity, Poisson coefficient, modulus of elasticity

ABSTRACT: The dependence of the friction force on the bond between two elastic contact surfaces was studied. It was assumed that the roughness of the rubbing surfaces was randomly distributed and that every elementary surface protuberance made elastic contact with the other surface. Using the results of N. B. Demkin (Fakticheskaya ploschad' kasaniya tverdykh poverkhnostey. Izd. AN SSSR, M. 1962), the following formula was obtained for ξ , the relative binding force between the two surfaces:

$$\xi = \left[\frac{4.7(1 - \mu^2) r^{1/2} P}{bk_1 H^{1/2} EA_c} \right]^{\frac{2}{2v+1}}$$

Card 1/2

L 29103-65

ACCESSION NR: AP5003270

Here r is the radius of curvature of the protuberance, μ the Poisson coefficient, P the load, A_c the surface area, E the elastic modulus, H_{\max} the maximum height of the protuberance, b and r coefficients which depend on the form and distribution of the protuberances, and k_1 a coefficient characterizing the geometry of the surface. The formula obtained for the coefficient of elastic friction was

$$f = \frac{2\tau}{b\sigma^v} \left[1 - \left(1 - \frac{A_0}{A_n} \right) \right] e^{-\frac{k_1^2 b k_1 H_{\max}^{1/2} A_c}{4.7(1-\mu^2)r^{1/2}}}.$$

where A_0 is the area of actual contact and A_n the mean area of contact. Orig. art. has: 12 formulas and 7 figures.

ASSOCIATION: Tbiliscky gosudarstvennyy universitet (Tbilisi State University)

SUBMITTED: 21Jun64

ENCL: 00

SUB CODE: ME

NO REF SOV: 009

OTHER: 001

Card 2/2

KALININVILLE, A.Ya.; GORILOV, V.N. Experimental investigation of the contact rigidity in rolling motion. Izv. Akad. Nauk Gruz. SSR 35 no.1:163-169. 51 ref. (MIFM 17:1975).
Gruzinskiy politekhnicheskiy institut, imeni lepina. /Svobodnye voprosy/ Leningradskaya akademikov V.V. Vashnaretskogo.

8/251/63/030/002/002/003
D218/D307

AUTHOR:

Ramishvili, G. Ya.

TITLE:

Dependence of frictional force on the distance
(contacting area) of two solid surfaces

PERIODICAL:

Akademiya nauk Gruzinskoy SSR. Soobshcheniya,
v. 30, no. 2, 1963, 143-149

TEXT: An apparatus is described for the accurate determination of the frictional force and the effective contacting area both under static and dynamic conditions. The specimens are cylindrical in form, the loading cylinder being solid and the lower cylinder hollow. The load is applied by means of a spring-loaded, manually operated press, and the effective distance between the specimens is measured with the aid of strain gauges. Definite evidence was obtained for the fact that, as the solids approach each other, the effective contacting area increases and there is a corresponding increase in the frictional force. This

Card 1/2

Dependence of frictional...

8/251/63/030/002/002/003
D218/D307

is said to be in contradiction with the commonly held view that frictional force is independent of area. A detailed analysis of the experiments which were carried out and a theoretical explanation of the results will be given in subsequent papers. There are 4 figures.

ASSOCIATION: Gruzinskiy sel'skokhozyaystvennyy institut,
Kafedra fiziki (Georgian Agricultural Institute,
Faculty of Physics)

PRESENTED: February 10, 1962, by M. M. Mirianashvili,
Corresponding Member of the AS GSSR

SUBMITTED: February 10, 1962

Card 2/2

RAMISHVILI, G. Ya.

Dependence of the friction force and friction factor on the
closeness of the rubbing bodies. Sssb. AM Cruz. SSR 34 no.18
53-60 Ap'64 (MIRA 17e?)

1. Tbilisskiy gosudarstvennyy universitet. Tredatavieni shlans
korrespondentom akademik M.M. Mirianashvili.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001344

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013441

RAMISHVILE, I.Sh.

New data on the Pontian flora in western Georgia. Scob. AN
Gruz. SSR 39 no.3:633-637 S '65. (MIKA 18:1C)

1. Institut paleobiologii AN GruzSSR. Submitted April 20, 1965.

RAMISHVILI, I. T.

"Nicotinic Acid Content in Certain Foodstuffs of the Rural Population of the Lowland Zone of Western Georgia." Cand Biol Sci, Inst of Botany, Acad Sci Georgian SSR, Tbilisi, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

Ramishvili, D.I.
RAMISHVILI, D.I.

On the basic contents of the theory of readiness ("ustanovka").
Vop.psikhol. 3 no.3:114-122 My-Je '57. (MLRA 10:8)

1.Institut psichologii imeni D.N. Uznadze Akademii nauk Gruzinskoy
SSR, Tbilisi. (Psychology)

15-57-1-1048

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 167 (USSR)

AUTHORS: Fokin, A. M., Ramishvili, G. G.

TITLE: Soil Movements in Shida-Kakheti and the Role of Human
Factors (*Fazy razvitiya opolzney v Shida-Kakheti i*
rol'antropogenного faktora)

PERIODICAL: Soobshch. AN GruzSSR, 1956, Vol 17, Nr 3, pp 213-217

ABSTRACT: In the region of Shida-Kakheti there occur strongly fractured argillaceous conglomerates and sandy clays of Miocene age, overlain by deluvial and loess-like sandy loams. Half the precipitation falls from April through June, strongly wetting the slopes. Three phases of soil movements are distinguished. The first belongs to the beginning of post-glacial time. The base level of these movements was the first terrace above the flood plain. These dislocations are in the

Card 1/3

15-57-1-1048

Soil Movements in Shida-Kakheti (Cont.)

nature of huge surficial movements. Traces of them have been preserved as elongated stabilized flowage depressions with areas up to two square meters. The second phase, ancient soil movements, belongs to the period between the eleventh and the sixteenth centuries. The base level for these movements was the flood plain. The age of the dislocations has been established by indirect evidence: the thickness of stumps, indications of skeletal trees, and the smoothness of terraces and mounds. Remains of ancient settlements are preserved in the zone of these movements. Forests and other vegetation have been cut down on the slopes and the soil has been cultivated. These practices have led to activation of the soil movements. The third phase of movements belongs to the present epoch. The movements have been rejuvenated only in the lower slopes because of stream erosion. Those districts utilized by man have also been affected. Individual foci of movement have arisen through moistening of the slopes because of inefficient drainage nets or of excavating for the narrow-gauge railway of the Akhmeta lumber

Card 2/3

15-57-1-1048

Soil Movements in Shida-Kakheti (Cont.)

establishment. The authors conclude that, in the second and third phases, the causes of the soil movements have been human activities. To fortify the slope, they recommend reforestation and strict regulation of irrigation systems.

N. M. Ts.

Card 3/3

RAMISHVILI, I.Sh.

Data of a palynological analysis of upper Pontic deposits in western Georgia. Dokl. AN SSSR 139 no.3:685-687 J1 '61.(MIRA 14:7)

1. Institut paleobiologii AN GruzSSR. Predstavleno akademikom V.N. Sukachevym.
(Gudauta District--Palynology)

KANTARIYA, Valerian Irakliyevich; RAVISHVILI, Maksim Afanas'yevich

[Viticulture] 'Vinogradarstvo. Tbilisi, Ganatleba] 1965.
444 p. [In Georgian] (MIRA 18:7)

KURDIANI, G.P.; ADAMIYA, R.Sh.; NOZADZE, A.D.; RAMISHVILI, Sh.D.

Using the method of electronic simulation in investigating
torque distribution on spindles. Soob. AN Gruz. SSR 39 no.1:
137-143 Jl '65. (MIRA 18:10)

1. Gruzinskiy metallurgicheskiy institut. Submitted January 1,
1965.

KURDIANI, G.P.; NOZADZE, A.D.; RAMISHVILI, Sh.D.

Determination of the contact area during rolling in roll grooves
on a tube billet mill no.90G/750. Soob. AN Cruz. SSR 35 no.3:635-
640 S '64. (MIRA 17:11)

1. Institut metallurgii AN CruzSSR, Tbilisi. Predstavleno akade-
mikom F.N. Tavadze.

KOLYANOV, V. I.: URGVAN, N. Ya.; TROFIMOV, V. N.; ZHURAVLEV, S. N.

Methods of calculating the parameters of force and power in rolling in drawing grooves. Sov. Al. Arm. MCR 36 no.3:63-69
(MTPA 18:3) 8 '64.

I. Gruzinsky Inst. of metalurgi. Submission April 14, 1964.

RAMISZ, Alojzy

Parasites in the blood of birds. Windomosci parazyt., Warsz. 4 no.5-6:
669; Engl. transl. 670 1958.

1. Z Zakladu Parazytologii i Chorob Inw. WSR we Wrocławiu.

(BLOOD DISEASES,

parasitic, in birds (Pol))

(BIRDS, dis.

parasitic blood dis. (Pol))

(PARASITIC DISEASES,

blood dis. in birds (Pol))

RAMISZ, Alojzy

Blood parasites in sparrows in the Wroclaw region. Wiadomosci
parazyt. 6 no.6:505-517 '60..

1. Katedra Parazytologii i Chorob Inwazyjnych WSR, Wroclaw.
(PARASITIC DISEASES)
(BLOOD DISEASES)
(BIRDS parasitol)

RAMISZ, Alojzy

Protozoa from the genus Leukocytozoon in birds from the vicinity
of Wroclaw. Wiadomosci parazyt. 7 no.2:203-206 '61.

1. Katedra Parazytologii i Chorob Invaz. W.S.R. Wroclaw.

(PROTOZOA) (BIRDS parasitol)

RAMISZ, Alojzy
Country: Poland

Academic Degrees:

Affiliation: [not given]

Source: Warsaw, Medycyna Weterynaryjna, Vol XVII, No 6, June 1961, pp 325-326

Data: "Control of Hog Salmonellosis in Hog Fattening Centers."

Authors:

SWIECH, Stanislaw, Dr.
RAMISZ, Alojzy, Lekarz weterynaryjny

GPO 981643

151

RAMISZ, Alojzy

SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliations: Not given

Source: Warsaw, Medycyna Weterynaryna, Vol XVII, No 9, September 1961,

pp 553-554.

Data: "Field Observations on Vaccinations Against Newcastle Disease of
Fowls with the Vaccine R."

Authors:

RAMISZ, Alojzy
SWIECH, Stanislaw, Dr.

GPO 981643

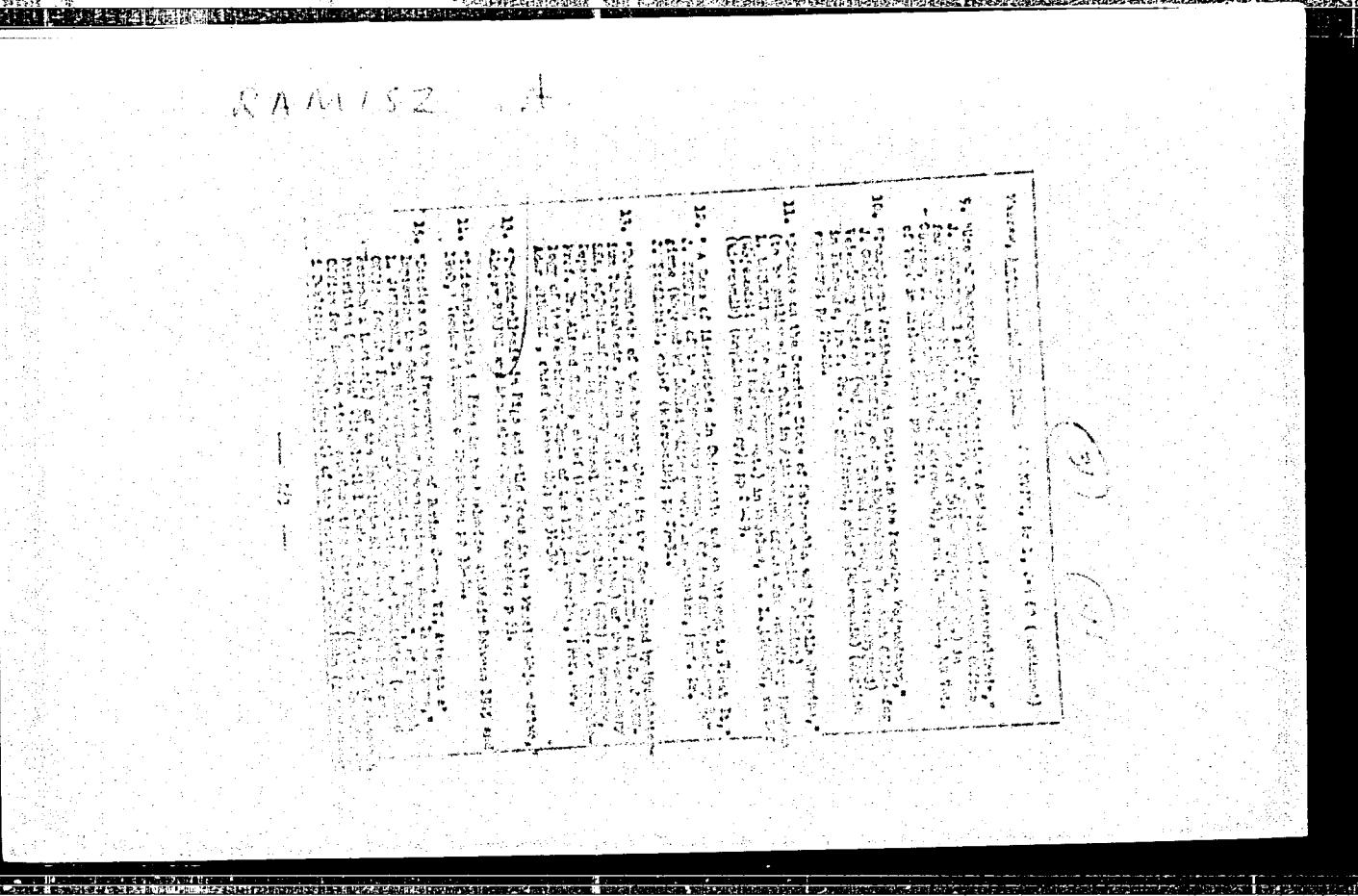
52

RAMISZ, Alojzy; MARTYNOWICZ, Tadeusz

Observation on the appearance of *Syngamus trachea* (Montagu, 1811)
Chapin, 1925 in Passeriformes. Wiad. parazyt. 8 no.5:549-552 '62.

1. Katedra Parazytolugii i Chorob Inwazyjnych, Wrocław.
(HOOKWORM INFECTIONS) (BIRD DISEASES)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001344



APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013441

POLAND

JANETTA SZCZ, Tadeusz and KLAUSZ, Alojzy, Chair of Parasitology and Infective Diseases (Katedra Parazytolodii i Chorob Inwazyjnych), Veterinary Division (Wydzial weterynaryjny), KST Politechnika Szkoła Rolnicza, Higher School of Agriculture in Krakow (Director: Prof. Dr. Zbigniew KOŁAK)

"Syncamosis of Pheasants. Its treatment and prophylaxis." Warsaw-Wroclaw, Genetyka weterynaryjna, Vol 19, No 1, Jan 65, pp 55-67.

Abstract: [Authors' English summary modified] Authors discuss the epizootiology and prophylaxis of syncamosis in pheasants and describe the mechanics of their treatment with Stibium barium tartarium in powder form. There are 16 references, of which 5 are western, 2 German, and the others Eastern Bloc (including 7 Polish).

KAMISZ, Alojzy

Protozoa of the genus Leucocytozoon Danilewski, 1890 in birds of
the environs of Wrocław. Acta parasit Pol 10 no.1/11:39-52 '62.

1. Katedra Parazytologii, Wyższa Szkoła Rolnicza, Wrocław, Norwida 27.

RAMISZ, Alojzy

Dependence of the distribution of blood parasites in sparrows
in Poland on the migration and seasonal temperature changes.
Wiad. parazytol. 11 no. 5:467-476 '65.

1. Katedra parazytologii i Chorob Inwazyjnych, Wyższej
Szkoly Rolniczej, Wrocław.

POLAND

RAMISZ, A., and ZWIERZCHOWSKI, J., Wojewódzkie Veterinary Hygiene Office (Woj. Zakład Higieny Weterynaryjnej), Krakow. Dr. A. Ramisz, Head; Department of Epizootiology, Higher School of Agriculture (Katedra Epizootiologii WSR), Wrocław. Prof. Dr. T. Sobiech, Head.

"The Course and Treatment of *Toxocara canis* in Young Arctic Foxes (*Alopex lagopus*) under Fox-Farm Conditions".

Lublin, Medycyna Weterynaryjna, Vol 22, No 4, 1966, pp 204-208.

Abstract: The paper describes a study of invasion of *T. canis*. Three stages have been distinguished in the course of the disease, and the symptoms and duration of each are described. Early worming was used therapeutically without adverse effects. The absence of eggs in the feces does not rule out the presence of the disease.

Contains a summary in English, 3 Tables and 14 references (1 Polish, 7 Western, 4 Russian and 2 German-language).

PCLAND

RAMISZ, Alejzy.

1. Parasitological Laboratory, Johns Hopkins School
of Hygiene, Baltimore, Maryland: 2. Department
of Parasitology, Agricultural University College,
(Zaklad Parazytologii W.S.R. [Wyzsza Szkoła Rolnicza]),
Wroclaw.

Warsaw, Acta Parasitologica Polonica, Fasc. 21,
30 June 1965, pp 205-214

"Studies on the nervous system of nematodes by means
of histochemical method for active acetylcholinesterase.
Part 1; Trichinella spiralis and Syphacia obvelata."

KOZAR, Zbigniew; RAMISZ, Alojzy; KOZAR, Maria

Incidence of *Trichinella spiralis* in some domestic and wild living animals in Poland. Wiad. parazyty. 11 no.4:285-298 '65.

I. Department of Parasitology of the Veterinary Faculty, and Laboratory of Anthroponoses, Polish Academy of Sciences in Wroclaw.

KAMIEK, Boleslaw

The occurrence of *Lankasterella latte* in birds of the family
Fringillidae in Wroclaw. *Acta parasit Pol* 12 no.19/297.
362-364.

I. Department of Parasitology of the School of Agriculture,
Wroclaw.

KAMIŃSKI, Alojzy; MARTYNOWICZ, Tadeusz

Parasitic fauna of the digestive tract of dogs and cats in
the City of Wrocław with special reference to nematodes from
the family Ancylostomidae. Wiad. parazyt. 9 no. 2: 115-127 '63.

1. Katedra Parazytologii i Chorob Inwazyjnych WSR, Wrocław.
(CAT DISEASES) (DOG DISEASES)
(HOOKWORM INFECTIONS) (STATISTICS)
(INTESTINAL DISEASES, PARASITIC)

PIEKARA, A.; KACZmarek, F.; DRĘBNIK, A.; GRAJA, A.; RAMIĘCOWIA, T.

Lasers of the Poznan center. Postepy fizyki 15 no.4:451-457 '64.

1. Department of Experimental Physics, A. Mickiewicz University,
Poznan, and Department of Dielectrics, Institute of Physics,
Polish Academy of Sciences, Poznan.

I 35573-65 EEC(b)-2/EPP(c)/EPP(n)-2/EPR/EWC(j)/EEC(k)-2/EWA(h)/EWA(k)/EWP(k)/
EWT(l)/EWT(m)/EEC(t)/FBD/EWP(b)/T/EWA(m)-2/EWP(e)/EWP(t) Pf-l/Pf-h/
ACCESSION NR: AP4047632 Pn-l/Po-l/Pf-l/p/0047/64/015/004/0451/0457 Ps-l/Pu-l/
Peb/TJP(c) NH/NC/JD

AUTHOR: Piekara, A.; Kaczmarek, F.; Drobnik, A.; Graja, A.; Ramiszowna, T.

TITLE: Lasers at the Poznan scientific center

SOURCE: Postepy fizyki, v. 15, no. 4, 1964, 451-457

TOPIC TAGS: laser, ruby laser, helium neon laser, nonlinear optics, excitation
threshold

ABSTRACT: For the past few years, the Katedra fizyki doswiadczałnej Uniwersytetu
im. A. Mickiewicza (Experimental physics department of Adam Mickiewicz University)
and the Zakład dielektryków Instytutu fizyki PAN (Dielectrics department of the
Physics institute of the Polish Academy of Sciences) in Poznan have been carrying
out theoretical studies in the field of nonlinear optics. Since the second half
of 1962, the Poznan scientific center has been engaged in experimental studies on
lasers. The purpose of these studies was to design gaseous and ruby lasers and
to apply them to the investigation of nonlinear optical and dielectric effects.
Towards the end of 1963, the design of a few experimental models of gaseous,
helium-neon lasers for the near infrared ($\lambda = 1.15 \mu$) was completed, and also two

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ACCESSION NR: AP4047632

ruby lasers were put into operation ($\lambda=6943$ Å). One of them operates with a ruby in a confocal system of mirrors and the other operates with a ruby rod and plane mirrors. The gaseous helium-neon lasers, the schematic diagram of which is shown in Fig. 1 of the Enclosure, are described. A 28mc oscillator was used to trigger the lasers into operation. The output power of the lasers in continuous operation was of the order of a few milliwatts. The purpose of further work is to increase the output power in order to use them for the investigation of nonlinear effects. The ruby lasers, the schematic diagram of which is shown in Fig. 2 of the Enclosure, have a pulsed operation and thus gave much higher peak powers of the optical beam. The synthetic ruby crystals were produced by the Hute Aluminum (Aluminum Smelting Plant) in Skawina. In order to lower the excitation threshold, the ruby was cooled with liquid nitrogen. Oscillograms of ruby fluorescence below the excitation threshold and of lasing above the excitation threshold are shown, when the ruby was placed in a confocal system of mirrors. The other laser employed a ruby rod (made in Switzerland) having surfaces polished and coated with totally reflecting silver layers. One of the end surfaces had a transmittivity of 1-2%. The physical data on gaseous and ruby lasers are tabulated. The laser employing a confocal ruby gave a more divergent beam than the laser em-

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ACCESSION NR: AP4047632

2

ploying the ruby with flat ends. The confocal ruby had a 30% lower energy of excitation than the ruby with flat end surfaces. The least divergent beam (angle of divergence of 45') was obtained with the Swiss-made ruby 50 mm in length, 5.0 mm in diameter, with a Cr³⁺ concentration of 0.035% and employing plane silver mirrors. The purpose of further work will be to design and produce ruby lasers of high output powers suitable for the investigation of nonlinear dielectric, optical, and electrooptical effects in liquids and crystals. Orig. art. has: 7 figures, and 2 tables.

ASSOCIATION: Katedra fizyki doswiadczałnej Uniwersytetu im. A. Mickiewicza (Experimental physics department, Mickiewicz University); Zakład dielektryków Instytutu fizyki PAN, Poznań (Dielectrics department, Physics institute, PAN)

SUBMITTED: 00

ENCL: 02 SUB CODE: OP, EC

NO REF SOV: 000

OTHER: 005

Card 3/5

RAMKHEN, I.F.; FEDOTOV, D.D., prof., otv.red.; POSVIANSKIY, P.B., prof. otv. red.; GOFMAN, K.G., kand.med.nauk, red.; PAVKIN, A.G., kand.med.nauk. red.

[Cooping treatment of the morphine abstinence syndrome using cholinolytic and curarelike substances; a methodological letter]
Kupirovanie morfiinoi abstinentsi kholinoliticheskimi i kurare-podobnymi preparatami; metodicheskoe pis'mo. Moskva, 1965. 23 p.
(MIRA 18:8)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut psichiatrii.

RAMKOV, F.; PLOTNIKOV, D., starshiy ekskursovod.

"Hunting and fur farming" pavilion. Nauka i pered. op. v sel'khoz.
8 no.8:30-33-Ag '58. (MIRA 11:10)

1. Direktor pavil'ona "Okhota i zverovodstvo," Vsesoyuznaya sel'sko-khozyaystvennaya vystavka (for Plotnikov). 2. Pavil'on "Okhota i zverovodstvo," Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Plotnikov).

(Moscow--Fur farming--Exhibitions)

RA'KOV, F.; PLOTNIKOV, D.; LOGUNOV, N.; BYRDINA, A., red.; FEDOTOVA, A.,
tekhn.red.

[Hunting, fur farming, and dog breeding] Okhota, zverovedstvo i
sobakovodstvo. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 91 p.
(Fur farming) (Dogs) (Hunting)

LOGUNOV, N.M.; RAMKOV, P.G.; AVDEYEV, N.Ya., metodist pavil'ona; SYCHIK,
Ye.V., redaktor; BAILOD, A.I., tekhnicheskiy redaktor

[*"Dog breeding"* pavilion; a guidebook] Pavilon "Sobakovodstvo";
putevoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 26 p.
(MIRA 9:8)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. Direktor pavil'ona (for Ramkov)
(Dogs) (Moscow-Agricultural exhibitions)

RAMKOVA, N.V.

Disinfection of polyvinyl chloride plastics. Zhur. mikrobiol.,
epid. i immun. 42 no.8:22-27 Ag '65. (MIRA 18:?)

1. TSentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy in-
stitut, Moskva.

RUMKOVICH, B. Ya.

"Selection of a System for Pressurized Hydro-transportation of Sandy Soils,"
Gidrotekh. Strci, No. 8, 1949. Engr.

MASHOVETS, V.P., doktor tekhnicheskikh nauk, professor; RAMLAU, A.I.,
assistant, inzhener; SUPRUN, L.M., assistant, inzhener.

Electrode potentials of copper oxide electrode elements and testing
the discharge duration pattern. Sbor. LIIZHT no.151:222-237 '56.
(Electrodes) (MLRA 10:1)

CA

19

Determination of some physical and chemical properties of fiber glass. M. A. Bokarev and A. I. Rastorguev. Zvezdochka Lab. 19, 102-5 (1941); Chem. Zentral., 1945, II, 1214.—Methods for the determination of chemical resistance and tensile strength of fiber glass were established. The diam. of the fiber is stated, and then the glass is boiled in dilute water. Besides other factors, the charac. of the glass depends on the diam. The weight loss per sq. in. of fiber surface expresses the charac. of attack. For the tensile strength an app. similar to that of Michelson is used. Tensile strength varies over a wide range, and depends on the diam. Comparisons should be made only for specimens of the same diam. I. M. Nav

APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

三

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013441

HCS. *Glass*

Determination of some physical and chemical properties
of glass. Ober, M. A., BEZENKOBODOV AND A. I. KASILAU.
Zaridibayev Zash., 10 [2] 192-KS (1941); Khim.-Tekhn.
Zash., 6 [9] 109 (1941).
M Ho.

RAMLAU, L.

380

✓ 1126. HUMIC ACIDS FROM (POLISH) LIGNITE AS ION EXCHANGERS,
Kuczyński, W. and Ramla, L. (Roczn. Chem. (Ann. Chem., Warsaw), 1955, vol.
29, 133, 134; see also 2. Int. Chem. Abstr., 1955, vol. 49, 11927).

MB

RAMLAU L.

5.

GERM :

SSR :

Humic acid in domestic (Polish) lignite. W. Kuczyński,
A. Andryszak, and L. Ramlau. *Pośw. Towarz. Przyjaciół
Nauk. Ser. A, 6, No. 1 (1950); Chem. Zentr. 1951, II,
2274-5; cf. C.A. 43, 1944c, 9413g.*—The method of Souci
(cf. C.A. 31, 4792^a) was used in an investigation of the
humic acid content of Polish lignite and the results were
compared with those obtained by complete alk. extn. The
results agreed for total humic acid content; only the compn.
of the humic acids varied. The difference lay in the fact
that the Souci method gave lower humic acid values for
lignites which had been freed from bitumen by extn. with 2
N NaOH. The humic acids extd. with alkali showed larger
amts. of alc.-sol. substances, chiefly hymatomelanic acid
(I), which had been formed at the expense of the humic acids
during the long extn. with 2N NaOH. Both methods gave a
total humic acid content (humic acid + I + ~~fulvic acid~~) of
72% calcd. on the dry and ash-free substance without bi-
tumen. Humin compds. and small amts. of lignin, pectins,
cellulose, and other substances made up the residue. Humic
acid contents reported are 58 and 61%. M. G. Moore

RAMLAN L.

POLON

✓ Humic acids from lignite as ion exchangers. W. Kuczyński and L. Ramlan (Univ. Poznań, Poland). *Recueil Chem.* 29, 773-4 (1953). Four humic acids (*N*, *NC*, *F*, *NC*) (*I*) were prepared from Polish lignites (*II*) which analyzed, resp., as follows: C 69.70, 59.19, 43.52, and 53.97%; H 4.03, 4.33, 3.47, and 5.27%; N was obtained by extracting *II* with 2*N* NaOH, the *I* were then dried at 50°; yield 20% with respect to dry *II*. *NC* was obtained by extraction with 5% Na₂CO₃, in 12% yield. *F* was prep'd. by extraction with 1% NaP according to Simon (*C.A.* 23, 5532; 25, 3136); yield 6.8%. *N2* was prepared just as *N*, but the raw material in this case was the residue of the *II* left after the preparation of *NC*; yield 9%. These *I* were used in grain sizes of 0.5 to 2.0 mm. in ion-exchange columns and exchanged 1.40, 2.09, 0.83 and 1.39 meq./g.

Werner Jacobson

Ramlau, P. N.

Ramlau, P. N. On the frequency spectra of repeated signals. Avtomatika i Telemehanika 1941, no. 1, 33-42 (1941). (Russian)

The author shows the simplifications that occur in the formulas involving the Fourier transform of a function $F(t)$ when $F(t)$ has period T_1 when $0 \leq t \leq (n-1)T_1$ and $F(t)$ vanishes outside of $(0, nT_1)$.
N. Levinson.

Source: Mathematical Reviews.

Vol. 8 No. 10.

1968 THE DETERMINATION OF THE SHAPE OF A REPETITION SIGNAL AT THE OUTPUT OF A BAND-PASS FILTER. P. N. Ramkumar [Information & Transmission] (Russian), No. 3, 1968, pp. 41-45.

A mathematical analysis is given of the transmission of a repetition signal through a communication channel. It is assumed that the signal consists of a number of impulses and that the communication channel has the attenuation characteristics of an ideal band-pass filter. Methods are indicated for calculating the shape of the signal at the output of the channel.

... 1000, P. S., T-16, and 1000.

"Determination of the force of a repeated signal at the output of a band-pass filter,"

Automatic telegraph, cl. 1, o. 3, 1911.

RAMA", I. M.

Radiotekhnika. [Radio engineering]. Uverzhdeno v kachestve uchebnikov dlia
vtuzov zhelznodorozhno go transporta. Moskva, Gos. transp. zhel-dor. izd-vo,
1946. 1946. 195 p. diagrs. (Transportnaia sviaz. h. 3)

DLC: T 627.R3

Radiotekhnika. [Radio engineering]. 2., perer. izd. Dopustchено в качестве
учебника для ин-т.в.жел-дор. транспорта. Москва, Гос. трансп.жел-дор.
изд-во, 1950. 332 р. диагрс. (Транспортная связь).

DLC: T 627.R3 1950

SC: Soviet Transportation and Communications. A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

RAALAT, Docent I. A.

Railroads - Electric Equipment

Calculating an impulse transformer for centralized dispatching. Soor. nauch. rab.

LETIIS, No. 3, 1947.

9. Monthly List of Russian Accessions, Library of Congress, December 1953, Uncl.
2

RAMLAU, P.M. (Docent); LUPAL, N.V. (Prof.)

Railroads--Electric Equipment

Calculating the line of centralized dispatching with line relays connected in parallel.
Sbor. Nauch. rab. LETIIS, NO. 3, 1949.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

RANILAI, P. M., Docent

Electric Lines

Approximate calculation of the characteristics of a current at the end of a line.
Sbor.nauch. rab. LETIIS no. 3, 1942.

9. Monthly List of Russian Accessions, Library of Congress, December 1953, Uncl.
2

RAMLAU, P. N.

RAMLAU, P. N. Radio engineering; a textbook. 2., perer. izd. Moskva,
Gos. transp. zhel-dor. izd-vo, 1950. 332 p. (Transportnaia sviaz')
(51-24509)

TF627.R3 1950

BARANOV, A.F., redaktor; BIZYUKIN, D.D., redaktor; VAKHNIN, M.I., otvetstvennyy redaktor toma, professor, doktor tekhnicheskikh nauk; VEDENISOV, B.S., redaktor; IVLIYEV, I.V., redaktor; MOSCHCHUK, I.D., redaktor; RUDOI, Ye.P., glavnyy redaktor; SOKOLINSKIY, Ya.I., redaktor; SOLOGUBOV, V.N., redaktor; SHILEVSKIY, V.A., redaktor; AL'FEROV, A.M., inzhener; ANASHKIN, B.T., inzhener; APANAS'YEV, Ye.V., laureat Stalinskoy premii, inzhener; BELENKO, K.M., dotsent; BORISOV, D.P., dotsent, kandidat tekhnicheskikh nauk; ZHIL'TSOV, P.N., inzhener; ZEAR, N.R., inzhener; IL'YENKOV, V.I., dotsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; KRAYZMER, L.P., kandidat tekhnicheskikh nauk; KOTLYARENKO, N.P., dotsent, kandidat tekhnicheskikh nauk; MAYSHEV, P.V., professor, kandidat tekhnicheskikh nauk; MARKOV, M.V., inzhener; NELEPETS, V.S., dotsent, kandidat tekhnicheskikh nauk; NOVIKOV, V.A., dotsent; ORLOV, N.A., inzhener; PETROV, I.I., kandidat tekhnicheskikh nauk; PIVKO, G.M., inzhener; PODODIN, A.M., inzhener; RAMILAU, P.N., dotsent, kandidat tekhnicheskikh nauk; ROGINSKIY, V.N., laureat tekhnicheskikh nauk; RYAZANTSEV, B.S., laureat Stalinskoy premii, dotsent, kandidat tekhnicheskikh nauk; SNARSKIY, A.A., inzhener; FEL'DMAN, A.B., inzhener; SHASTIN, V.A., laureat Stalinskoy premii, inzhener; SHUR, B.I., inzhener; GONCHUKOV, V.I., inzhener, retsenzent; NOVIKOV, V.A., dotsent, retsenzent; APANAS'YEV, Ye.V., laureat Stalinskoy premii, retsenzent;

[Technical handbook for railroad men] Tekhnicheskii spravochnik zhelezodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiya, tsentralizatsiya, blokirovka, svias'. Red. kollegija A.F. Baranov [i dr.] Glav.red. E.P. Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1952. 975 p.

(Continued on next card)

BRYLEYEV, A.M., laureat Stalinskoy premii, inzhener; GAMBURG, Ye.Yu., inzhener, retsenzent; GOLOVKIN, M.K., inzhener, retsenzent; KAZAKOV, A.A., kandidat tekhnicheskikh nauk, retsenzent; KUT'IN, I.M., dotsent, kandidat tekhnicheskikh nauk, retsenzent; LEONOV, A.A., inzhener, retsenzent; SEMENOV, N.M., laureat Stalinskoy premii, inzhener, retsenzent; CHERNYSHEV, V.B., inzhener, retsenzent; VALUYEV, G.A., inzhener, retsenzent; METTAS, N.A., laureat Stalinskoy premii, inzhener, retsenzent; NOVIKOV, V.A., dotsent, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOROV, L.R., inzhener, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOROV, L.R., inzhener, retsenzent; SHUPLOV, V.I., kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.P., inzhener, retsenzent; YUDZON, D.M., tekhnicheskiy redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Technical handbook for railroad men] Tekhnicheskii spravochnik zheleznyodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiya, tsentralizatsiya, blokirovka, sviaz'. Red. kollegija A.F. Baranov [i dr.] Glav.red. E.P. Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1952. 975 p. (Card 2) (MIRA 8:2)
(Railroads--Signaling) (Railroads--Communication systems)

RAMLAU, P.N., kand. tekhn. nauk, prof.

Determination of quality indices of low-frequency transistor
amplifiers. Sbor. trud. LIIZHT no.186 Elektrosviaz' i
radiotekhnika:66-77 '62. (MIRA 16:7)

(Transistor amplifiers)

RAMLAU, P. N.

PHASE I BOOK EXPLOITATION

381

Ramlau, Pavel Nikolayevich

Radiotekhnika (Radio Engineering) ed., 3rd rev. Moscow, Transzheldorizdat, 1957. 302 p. 13,000 copies printed.

Ed.: Stroganov, L. P., Engineer; Tech. Ed.: Bobrova, Ye. N., Reviewers: Ustinskiy, A. A., Candidate of Technical Sciences, Shevchuk, R. M., Docent, Candidate of Physico-Mathematical Sciences.

PURPOSE: The monograph is intended to serve as a textbook for courses in radio engineering as related to automation, telemechanics and communications at railroad institutes and is recommended as such by the Glavnoye upravleniye uchebnymi zavedeniyami Ministerstva putey soobshcheniya (Main Administration for Schools of the Ministry of Railroads).

COVERAGE: The textbook gives an account of the theoretical bases of radio engineering and describes transmitting and receiving systems, superhigh-frequency techniques and the fundamentals of television and radar.

Card 1/7

381

Radio Engineering

It is assumed that the student has taken a preliminary course in electronic and ionic devices. Sverdlichenko, D. Ya., a teaching assistant, has compiled the numerical examples contained in the volume. Each chapter is followed by a list of references. In all, there are 40 references, all Soviet.

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Card 7/7

RAMLAU, Pavel Nikolayevich; USTINSKIY, A.A., kand.tekhn.nauk, retsenzent;
SHEVCHUK, R.M., kand.fiziko-matemat.nauk, retsenzent; STROGANOV, L.P.,
inzhener, redaktor; BOBROVA, Ye.N., tekhn.red.

[Electronic engineering] Radiotekhnika. Izd. 3-e, perer. Moskva,
Gos. transp. zhel-dor. izd-vo, 1957. 302 p. (MIRA 10:12)
(Electronics) (Railroads--Electronic equipment)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001344

W.K. GOLDBECK, Esenbeck (no registrant information), 1980, series 1-19
(5), 1-19

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ABORCJA, L.
w. RODZINAMI, Początek Towarzystwo Przyjaciół, 1980, spr. AG,
(5), d-19

ca

15

Composition for preventing boiler scale. V. I. Fridman and A. A. Ranirov. U.S.S.R. 64,003, Feb. 29, 1946. Brown coal is ground in an aq. soln. of 8-10% (on the wt. of coal) of alkali to form a colloidal suspension. The suspension is allowed to settle and the solids are sepd. To the filtrate is added Na phosphate and the product is used to prevent boiler scale. The grinding in an alk. medium cuts substances of the lignite type, which possess anti-scale properties and are also stabilizers for the colloidal particles of the coal. M. Hesch

ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001344

Ramm, A.G.

Study of the scattering problem in certain infinite domains.
(MIRA 16:11)
Part 2. Vest. LGU. 19: no.19:69-76 '63.

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013441

Ramm, A.G.

Spectral properties of Schrödinger's operator in regions with
infinite boundaries. Dokl. AN SSSR 152 no.2:282-285 S '63.
(MIRA 16:11)

1. Leningradskiy institut tochnoy mekhaniki i optiki.
Predstavлено академиком V.I. Smirnovym.

RAMM, A.G.

Analyticity conditions for a scattering matrix. Dokl. Akad. Nauk SSSR 157 no.5:1073-1076 Ag '64. (MIHA 17-9)

1. Leningradskiy institut tochnoy mehaniki i optiki.
Predstavлено akademikom V.A. Fockom.

L 48261-35 E. N. (S) 136/0138
ACCESSION NR: AP5011198

UR/0140/65/000/002/0136/0138

AUTHOR: Ramm, A. G. (Leningrad)

TITLE: Diffusion waves

SOURCE: IVUZ. Matematika, no. 2, 1965, 136-138

TOPIC TAGS: diffusion, differential equation, wave propagation /6

ABSTRACT: The author considers $u_{tt} - \Delta u + p(x)u = 0$ in a plane convex region Ω with smooth boundary Γ subject to $u|_{t=0} = 0 = u|_{\Gamma}$, $u_t|_{t=0} = f(x)$ where p is finite and $f|_{\Gamma} = Df|_{\Gamma} = D^2f|_{\Gamma} = 0$. The author proves that if $f(x)$ is smooth then generally $u(x, t) = O(\frac{1}{t})$. In the terminology of R. Courant, D. Hilbert (Metody matematicheskoy fiziki. Izd. 2, GTTI, M.-L., 1951), this means that in 3-dimensional space Huygen's principle is valid, but it is not valid in 2 dimensions. Orig. art. has: 16 formulas.

22

13

ASSOCIATION: none

Cord 1/2

48301-63
ACCESSION NR: AP5011198
SUBMITTED: 26Nov63
NO REF SOV: 005

ENCL: 00
OTHER: 000

0
SUB CODE: MA

Card 2/2

L 9606-66 ENT(d) IJP(c)

ACC NR: AP6000427

44, 55

AUTHOR: Ramm, A. G. (Leningrad)

ORG: none

TITLE: Method for solving the Dirichlet problem in an infinite region

SOURCE: IVUZ. Matematika, no. 5, 1965, 124-127

16, 44, 5

TOPIC TAGS: differential equation, boundary problem, Dirichlet problem

ABSTRACT: The author considers

$$(A + k^2)u = f, \quad k^2 > 0; \quad (1)$$

$$u|_r = 0; \quad (2)$$

$$|x| |\frac{du}{dn} - iku| = O(1) \quad \text{as } |x| \rightarrow \infty. \quad (3)$$

He uses a method similar to that given by E. Titchmarsh (*Razlozheniya po sobstvennym funktsiyam, svyazannym s differentsiyal'nymi uravneniyami vtorogo poryadka*, t. II. ILL, M., 1961), changing it so that it becomes suitable for construction of the solution of the Dirichlet problem for values of the spectral parameter belonging to the continuous spectrum of the Schroedinger operator. He shows, using his method, that the solution of (1), (2), (3) exists and is unique for any $f(x) = O\left(\frac{1}{1+|x|^{3+a}}\right)$, $a > 0$.

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ACC NR: AP6000427

He treats as an example the Helmholtz operator in the exterior of a bounded three-dimensional region with piecewise smooth boundary and no cusps. Orig. art. has: 20 formulas.

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SOURCE CODE: UR/0109/65/010/011/1949/1951

BY
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AUTHOR: Ramm, A. G.

ORG: none

TITLE: Signal restoration on the basis of its values in a discrete sequence of points

SOURCE: Radiotekhnika i elektronika, v. 10, no. 11, 1965, 1949-1951

TOPIC TAGS: signal detection, signal analysis

ABSTRACT: The results briefly reported in this article extend the well-known V. A. Kotel'nikov's theorem on signal restoration over the class of nonsingular signals that have an infinite spectrum: under certain conditions specified in the article, these signals can be restored starting from a certain time point on the basis of their values at some other discrete time points. Orig.art. has: 8 formulas.

SUB CODE: EC/ SUBM DATE: 22May64/ ORIG REF: 005/ OTH REF: 001

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RAMM, A.G.

Restoration of the form of a domain according to the
dissipation amplitude. Radiotekh. i elektron. 10 no.11:
2062-2064 N '65. (MIKh 18:11)